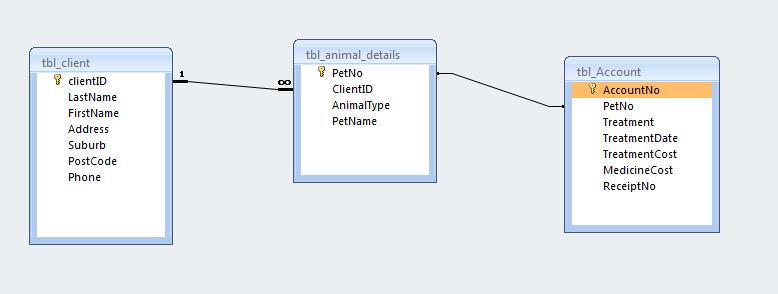
**Creation of a Vet Database based on Chapter 3 – Vet Database**

1. Data Structure Diagram
2. Create the following tables and fields and relationships.

**Data Structure Diagram**

**Tbl\_Client**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | Data Type | Field Size | Input Mask or Filemaker Max Characters | Description | Validation Rule | Validation Text |
| ClientID  (Primary Key) | Text | 4 | LL000  5 | Client individual assigned code |  |  |
| LastName | Text | 20 |  |  |  |  |
| FirstName | Text | 20 |  |  |  |  |
| Address | Text | 30 |  |  |  |  |
| Suburb | Text | 20 |  |  |  |  |
| PostCode | Text |  | 0000  Range (fm) |  | Between 2999 and 4000 | Post code must between 3000 and 4000 |
| Phone | Text |  | \(99\)9999\ 9999  Fm (max 10) |  |  |  |

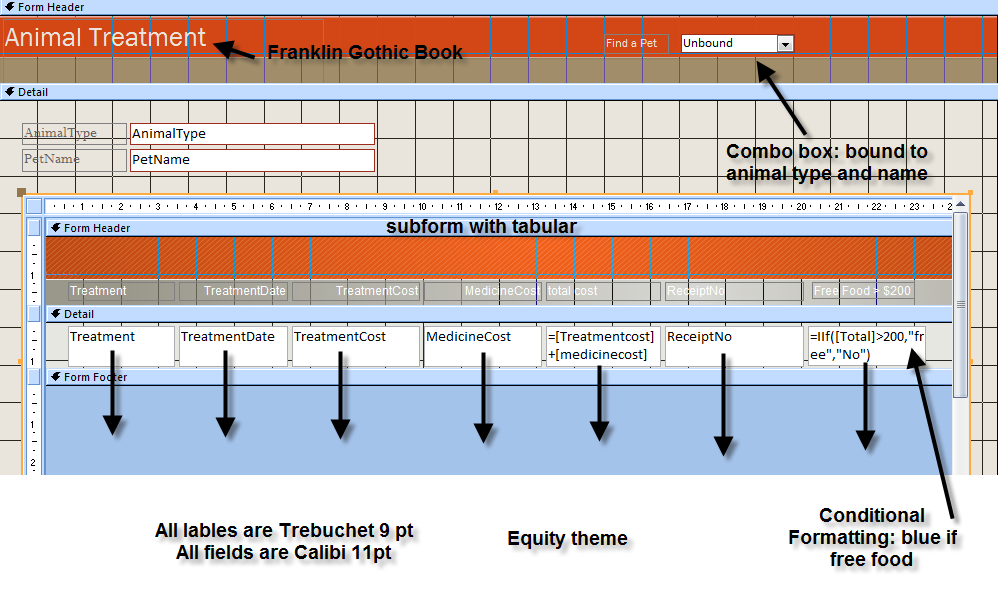
**Tbl\_Animal Details**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | Data Type | Field Size | Input Mask | Description | Validation Rule | Validation Text |
| PetID  (Primary Key) | Auto Number | Long Integer |  | Pets individual assigned code |  |  |
| Client ID (foreign Key) | Number | Long Integer |  |  |  |  |
| Animal Type | Text | 20 |  |  | Combo Box  Value List | Dog, Cat, Frog, Horse |
| Pet Name | Text | 20 |  |  |  |  |

**Tbl\_account**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | Data Type | Field Size | Input Mask | Description | Validation Rule | Validation Text |
| AccountNo (Primary Key) | Auto Number | Long integer |  |  |  |  |
| PetNo (Foreign Key) | Number | Long Integer |  |  |  |  |
| Treatment | Text | 30 |  |  |  |  |
| Treatment Date | Date/Time | Short Date |  |  |  |  |
| Treatment Cost | Currency |  |  |  |  |  |
| Medicine Cost | Currency |  |  |  |  |  |
| Totalcost | Currency |  |  | Calculated field, Treatment cost & medicine cost |  |  |
| ReceiptNo |  | 4 | L000 (Max char) |  |  |  |

**Layout Diagram**

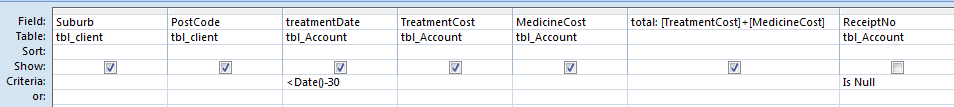
Frm\_Animal Treatment

**Layouts and Reports:**

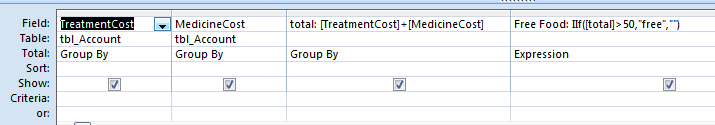
1. All Clients sorted by last name
2. All Animals and Client ID
3. Create a portal with Animal Details and Accounts showing treatments, (as per pg 115 in book)
4. Create a portal showing individual clients and their pets.
5. Main Menu and scripts and buttons.

**Query Design (ACCESS)**

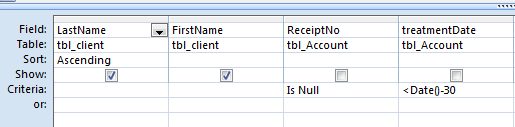
Qry\_overduePayment (also includes all Client detail fields)



Qry\_freeFood



Qry\_debtorsList



**Macro Design, ACCESS**

**Macro\_PrintDebtors**

Set Action to ‘OutputTo’  
Open Query ‘Qry\_debtors’  
Set output to HTML  
Auto start to ‘Yes

**VET Data Database**

**Customer Information**

|  |  |
| --- | --- |
| CL001  Scott Vaughan  4 Smith St, Kennington, 3550  03 544 36287 | CL002  Michael Diamond  55 Chum St, Golden Square, 3555  03 544 78635 |
| CLOO3  Adam Yauch  Weeroona Ave, Bendigo, 3550  03 544 12768 | CL004  Adam Horovitz  Nolan St, North Bendigo, 3550  03 544 78976 |

**Animal details**

|  |  |
| --- | --- |
| CL001  Auto Number (1)  Dog  Rat Cage | CL001  Auto Number (2)  Cat  Def Jam |
| CL002  Auto Number (3)  Frog  Grand Royal | CL003  Auto Number (4)  Horse  Crypress Hill |
| CL004  Auto Number (5)  Dog  Ad Rock | CL004  Auto Number (6)  Dog  Q Tip |

**Account details**

|  |  |
| --- | --- |
| Account No  Pet No (1)  Fleas, 3/4/11, $50, $50  R1  Tick Removal, 2/1/11, $100, $100  - | Account No  Pet No (2)  Worms, 16/4/11, $50, $50  R2 |
| Account No  Pet No (3)  Fleas, 28/4/11, $50, $50  R3 | Account No  Pet No (4)  Mites, 23/3/11, $50, $200  R4  Rash, 5/12/10, $30, $400  - |